Name: Alexandria Gagnone
Date: October 26, 1988

Testing For Carbohydrates

Materials
Bread
Egg white (hard-boiled)
Potato
Starch suspension
Onion
Apple
Cooked pasta

Test tubes
Test tube racks
Lugol's solution
Droppers

Test Tube	Contents	Color after adding Lugol's	Starch Present Yes/No	Carbohydrates? Yes/No
1	cracker	Yes blue	Yes	Yes
2	rice	Yes brown	Yes	Yes
3	lettuce	No Red	No	No
4	cheese	No Red	No	No
5	sugar	No Red	No	Yes
6	turkey	Maybe Red/yellow	No	No

Questions and Conclusions
1. Which foods tested showed starch present?
Explain how you know.
Why is it important that the Lugol's solution
starch suspension?

1 of legs 3 parts
3x1x Brain digest organ 2 pp 260-9
Describe func. 3
pancreas bile gall bladder liver villi

Mark Twain JHS
7B3-323

Alexander Sampson
October 26, 1988

HW #18

1. Which foods tested showed starch present? ~~Sugar~~ Crackers and rice, because they changed the Lugol's solution's color into blue-black.

2. Why is it important that the Lugol's solution react only with the starch suspension? So you can make sure the Lugol solution reacts correctly and only with starch.

703-323

Alexander Gozzypone
October 23, 1988

change to red if sugar
light blue - brn-yell, orng.
green - complex sugar

simple
brick red - simple sugar
green - complex sugar
Light blue - none

Gum (pink sugarless, green sugar)

Test tube	Contents	Color after Benedict's	Simple Sugar Yes/No	Complex Sugar Yes/No
1	sugared gum	Brick Red	Yes	Yes
2	egg white	~~Orange~~ Light Blue	No	No
3	sugarless gum	~~Orange~~ Light Blue	~~No~~ No	~~No~~ Yes
4	rice	Light Blue	No	Yes
5	tomatoe	~~Green~~ Orange	Yes	Yes
6	Orange	Orange	Yes	Yes

complex sugar

Which foods tested showed sugar present?
Why was water tested for both starch and sugar?
Why was a simple sugar (glucose) tested for?
Which foods are carbohydrates?
Explain how starch and sugar are related.

Mark Twain
B3-323

Alexandra Longpone
October 28, 1998

HW #19

1, Sugared gum had sugar because Benedicts solution changed red.
2, To make sure the Benedicts and Sugar dont work on nothing,
3, To make sure Benedicts works on simple sugar.
4, Sugared gum, rice, Cracker, they have sugar or starch. Also orange & tomatoes
5, They are carbohydrates.